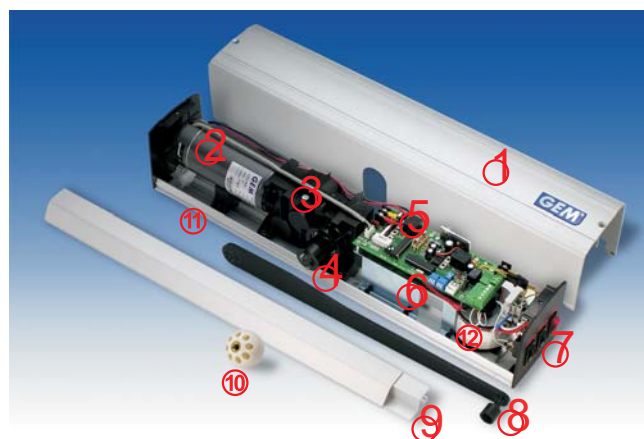


Statement

The AD-425S Automatic Door Operation is a reliable and quiet door opening and closing device. This product is ideal for enabling access to areas for people with disabilities or simply for convenience (ex: like hospital, old folk's home... and so on) . It is compact and can be used in combination with other devices such as microwave sensors or card readers to control operation.

Specifications

Power Input	AC 110(or 220V)
Current	3.5A max., 0.6A average (Motor)
Torque	30Nm
Opening/Closing time	4.5~9.5 seconds (90°)
Hold-Open time	1~35 seconds
Battery Specification	12V 1.2AH
Battery charge	12V=0.15A (Normal); 0.3A (Peak)
Temperature	-20?~+55? (Battery 5?~40?)
Degree of protection	IP12D
Product weight	6.5 kg
Dimensions	Operator: 526(L) x 100(W) x 96(D) Arm: 375 (unit: mm)
Wing dimensions	Door wing width : 75~120 cm Door wing weight : 50~100 kg
Motor specification	Voltage: 8~24VDC Maximum current : 4A Output : 65W Frequency: 2400 RPM



- | | |
|---------------------|------------------|
| 1. Cover | 8. Operating Arm |
| 2. Motor | 9. Sliding Rail |
| 3. Reducer | 10. Stopper Ball |
| 4. Square Couplings | 11. Baseplate |
| 5. Control Board | 12. Transformer |
| 6. Battery | 13. Encoder |
| 7. Power Switch | 14. Photocell |

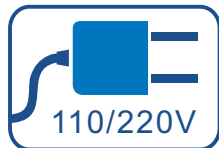
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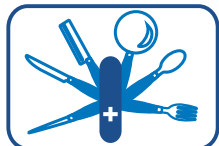
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● Features



Selectable dual voltage

The AD-425S operates on either 110V or 220V mains power such that it can be used almost anywhere in the world.



All in one

The AD-425S has interfaces for up to six optional devices such as electromagnetic locks, press to open buttons, microwave sensors, card readers and other accessories.



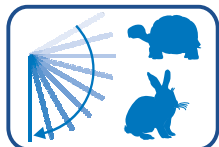
Maintain-Open time

The door can be adjusted to open for a maximum of 35 seconds. This is suitable for both disabled and wheelchair users.



Quiet and Reliable

AD-425S is quiet and reliable when operating.



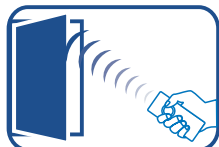
Selectable operating speeds

Four selectable operating speeds settings and two levels of torque output can be chosen based on the width and weight of the door.



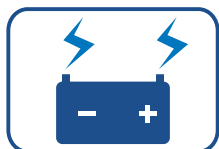
Push & Go option

AD-425S includes a switch to select between auto and manual mode. In manual mode, applying force to the door will activate the opening.



Remote controls

Can be used in conjunction with wireless remote controls.



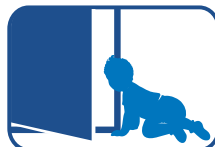
Backup battery

In case of mains power failure, a backup battery can maintain normal opening and closing operations up to 250 times.



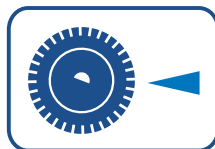
Applicable for all doors

AD-425S can be mounted to open outwards or inwards and fits either left or right swinging doors.



Safety sensor

AD-425S incorporates a safety sensor. When an obstruction is detected the door will be returned to its previous open or closed position to prevent accidents.



High accuracy

A built in Photocell and encoder are used to control the action of the operating arm. Desired opening angle and appropriate braking distances can be accurately managed.

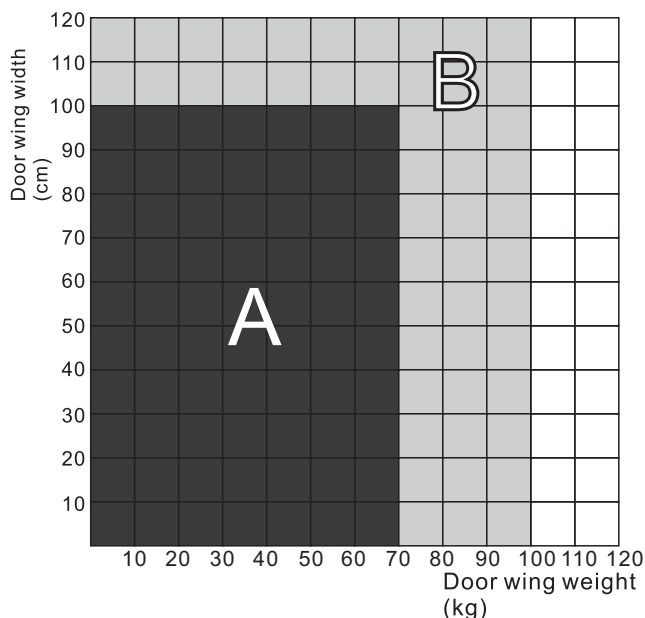


Wide Range

It is suitable for doors with width between 75 ~ 120 cm and weight between 50 ~ 100 kg.

※ See Figure Wing dimensions

● Wing dimensions



Door wing width (cm)

Door wing weight (kg)

Service Class A: average of up to 600 cycles per day

Service Class B: average of under 200 cycles per day

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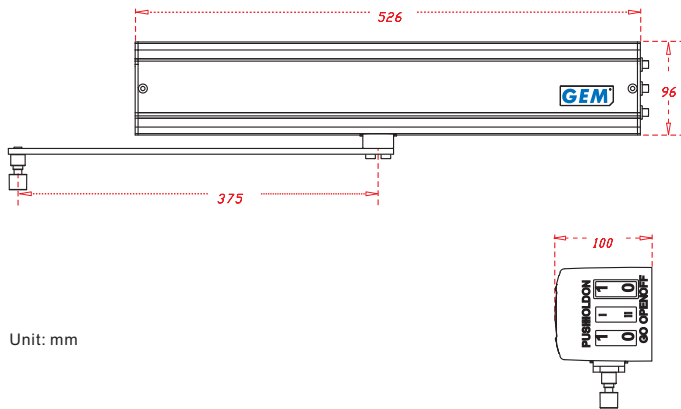
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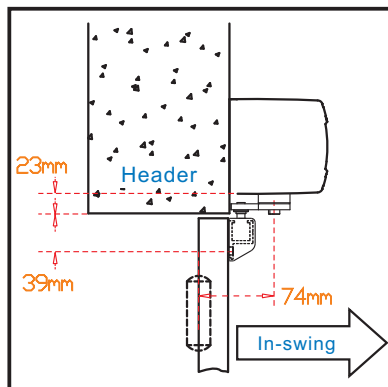
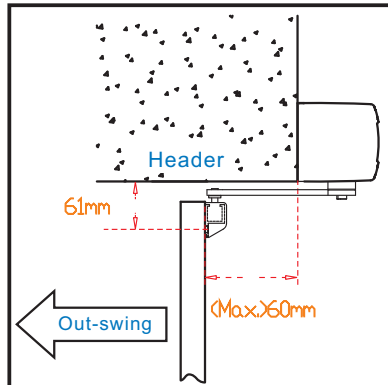


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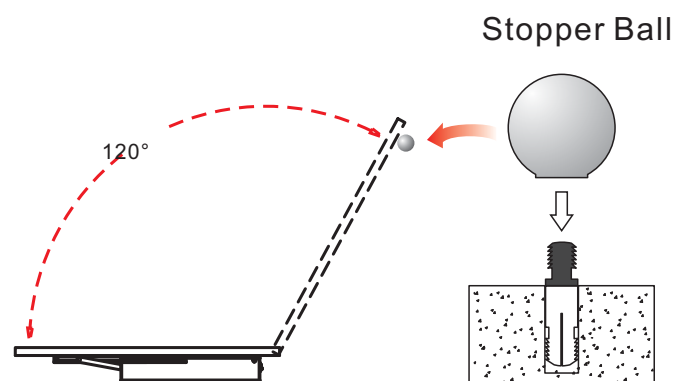
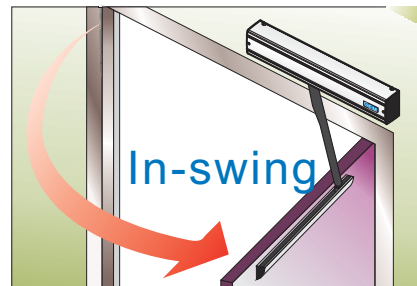
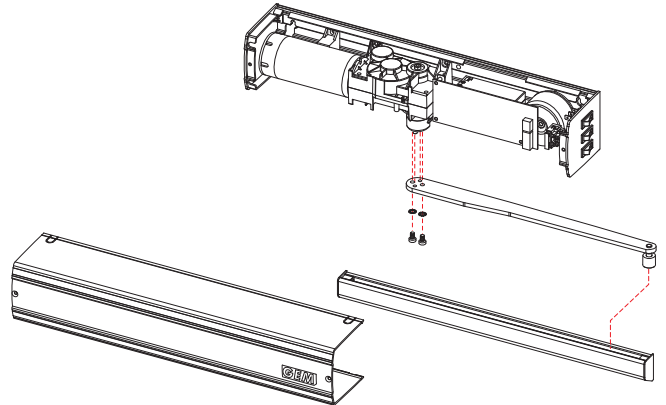
● Dimension



Install AD-425S on an out-swing door, make sure that the distance between the header and leaf is not more than 60mm, and the space between the header and Sliding Rail mounting hole must be 60mm, on an in-swing door, make sure that the distance between Square Couplings and hinge is not more than 74mm, the space between header and the bottom of AD-425S must be 23mm, and the space between header and Sliding Rail mounting hole must be 39mm.



Refer to figure for in-swing door (right-hand).



Depending on the door leaf opening

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● Application

To mount the AD-425S depends on the direction way of the doors, out-swing, in-swing, right- open and left-hand doors by adjusting the F/R switch and the direction of the Operating Arm.

Opening angle: 90 degrees.

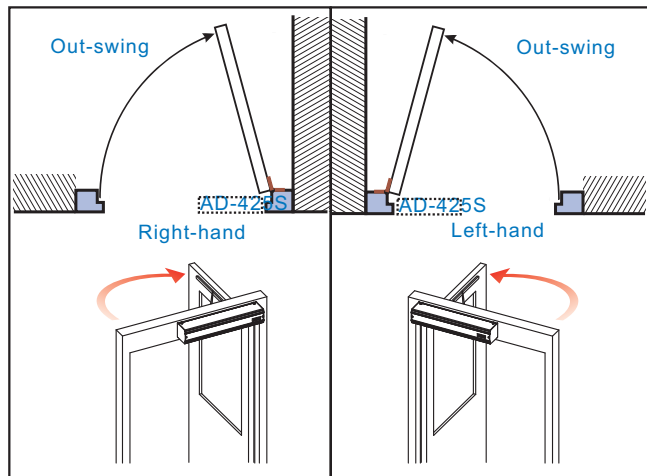
Beginning
Destination

Brake for wall blanking function.

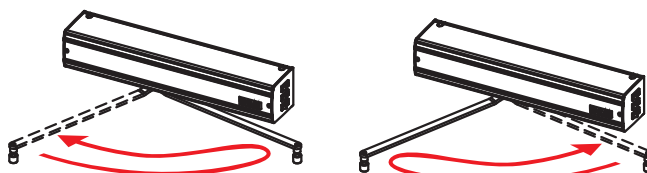
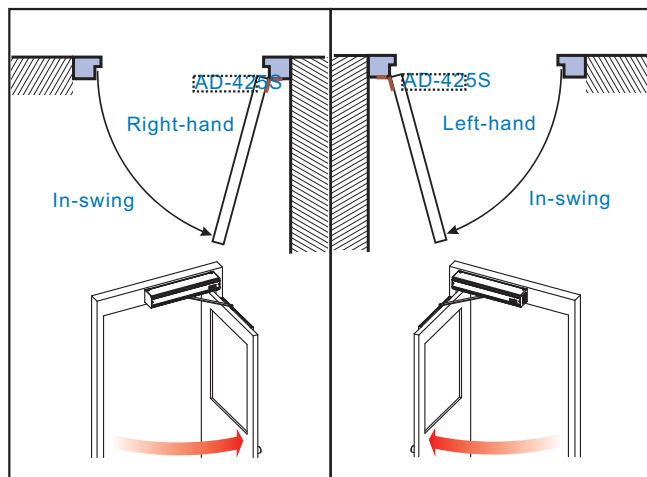
VM action time is the opening and closing time.

TC Maintain time of 1-35 seconds.

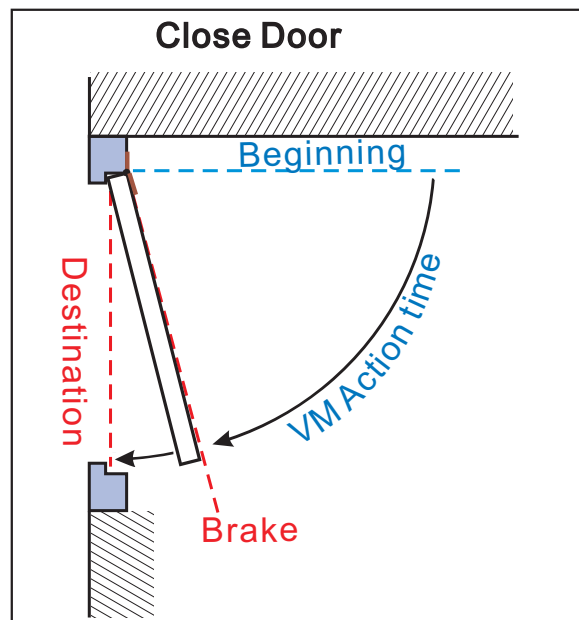
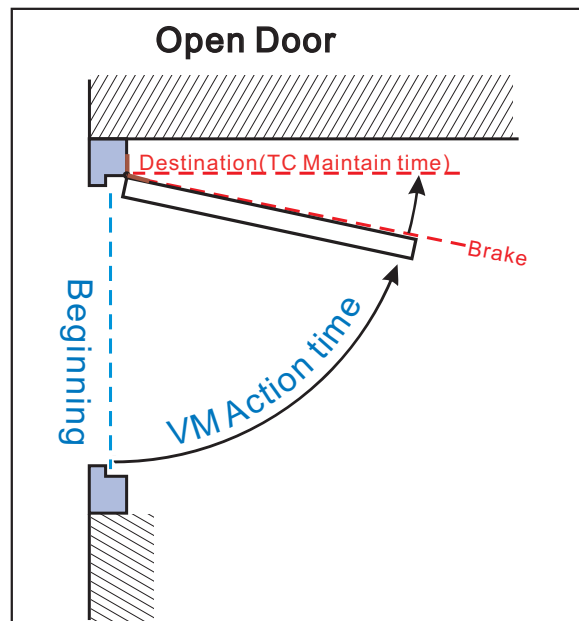
Out-swing door Right / Left hand



In-swing door Right / Left hand



Operating Arm turns clockwise or counter-clockwise.



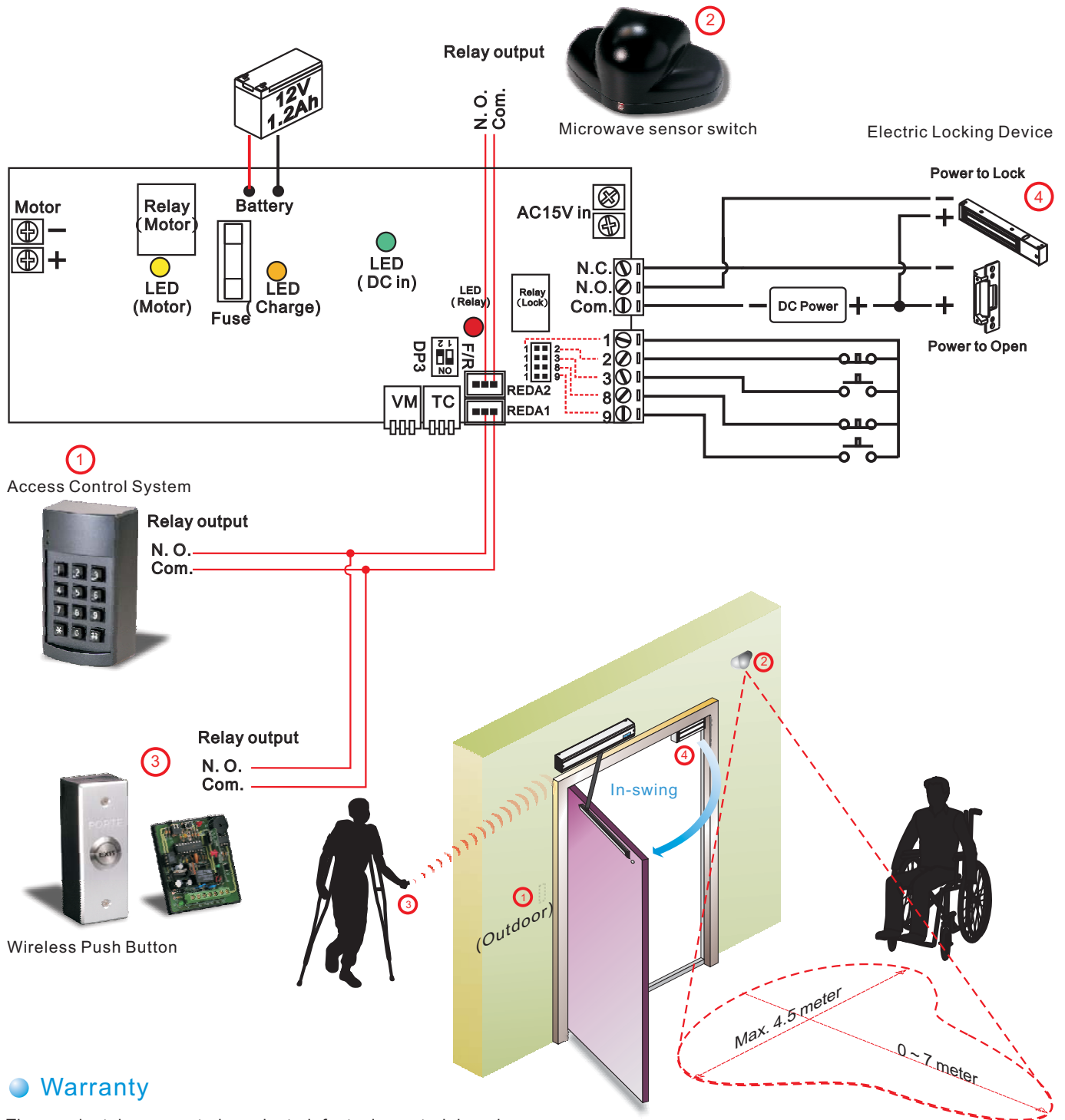
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Application



Warranty

The product is warranted against defects in material and workmanship while used in normal service for a period of 5 year from the date of sale to the original customer. The GEM policy is one of continual development and improvement; therefore GEM reserves the right to change specifications without notice.

Please refer to our website at <http://gianni.tw> to find out more details about the optional accessories instruction and other relevant documentation.

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